

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Sheryl Sue Holloway on June 19, 2008.

The application has been amended as follows:

In the Claim:

Please amend claims 24 and 36 as follow:

24. A storage server comprising:

means for receiving a plurality of requests from a set of client devices, each request corresponding to a storage operation to be performed by the storage server in relation to a set of storage devices;

means for maintaining a log of the requests in the storage server, the log including a separate log entry for each of the write operation requests, the log further including a separate checksum in each of the log entries, each checksum for use by a checksum algorithm in determining data integrity of the corresponding log entry;

an algorithm variable in the log to select the checksum algorithm from a plurality of selectable checksum algorithms; and

means for automatically selecting the checksum algorithm based on a predetermined criterion, wherein said means automatically selecting the checksum algorithm comprises selecting the checksum algorithm dynamically by modifying the algorithm variable during operation of the storage server.

36. A method comprising:

maintaining a log of a plurality of requests in a storage server, each of the requests corresponding to a write operation to be performed by the storage server on a set of storage devices, the log including a separate log entry for each of the requests;

including a separate checksum in each of the log entries, each checksum for use by a checksum algorithm in determining data integrity of the corresponding log entry;

including an algorithm variable in the log to select the checksum algorithm from a plurality of selectable checksum algorithms; and

automatically selecting the checksum algorithm based on a predetermined criterion, wherein said automatically selecting the checksum algorithm comprises selecting the checksum algorithm dynamically by modifying the algorithm variable during operation of the storage server.

Allowable Subject Matter

The following is an examiner's statement of **reasons for allowance**:

Claims 1 – 3, 7 – 8, 24 – 27, 29 – 32 and 35 – 36 are allowed over the prior art made of record.

The prior art of record does not teach or fairly suggest applicant's claims as amended and as originally submitted.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shahid Al Alam whose telephone number is (571) 272-4030. The examiner can normally be reached on Monday-Thursday 8:00 A.M.- 4:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E. Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Shahid Al Alam/
Primary Examiner, Art Unit 2162

June 20, 2008